

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629820

Luminaire Tested: GWS-SA1C-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2936.8 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

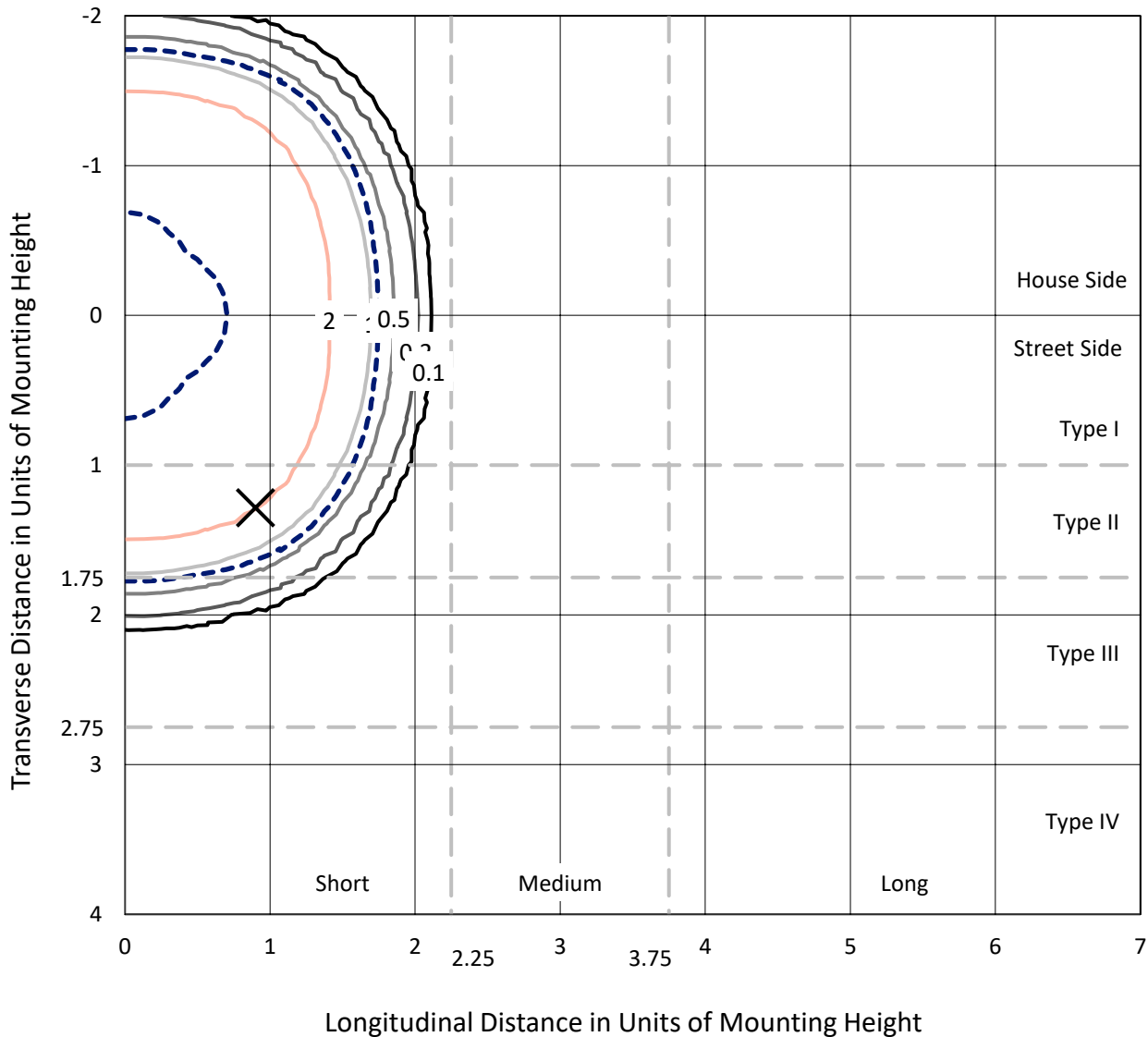
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

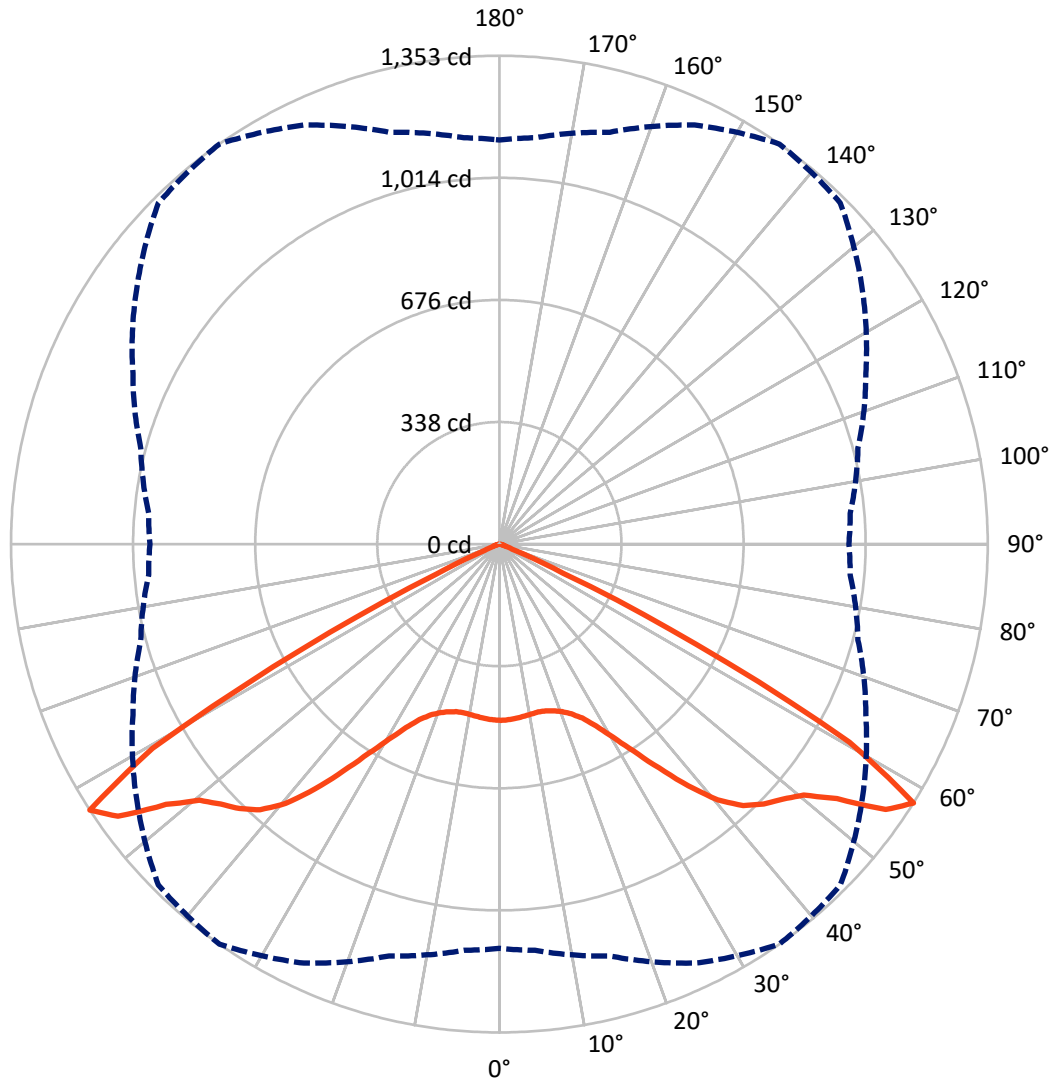
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1468.4	0.0	1468.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1468.4	0.0	1468.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2936.8	0.0	2936.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.6
10°-20°	135.3	4.6
20°-30°	244.6	8.3
30°-40°	456.3	15.5
40°-50°	765.5	26.1
50°-60°	1010.9	34.4
60°-70°	268.5	9.1
70°-80°	9.5	0.3
80°-90°	0.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2936.8	100.0
0°-180°	2936.8	100.0

Coefficient of Utilization



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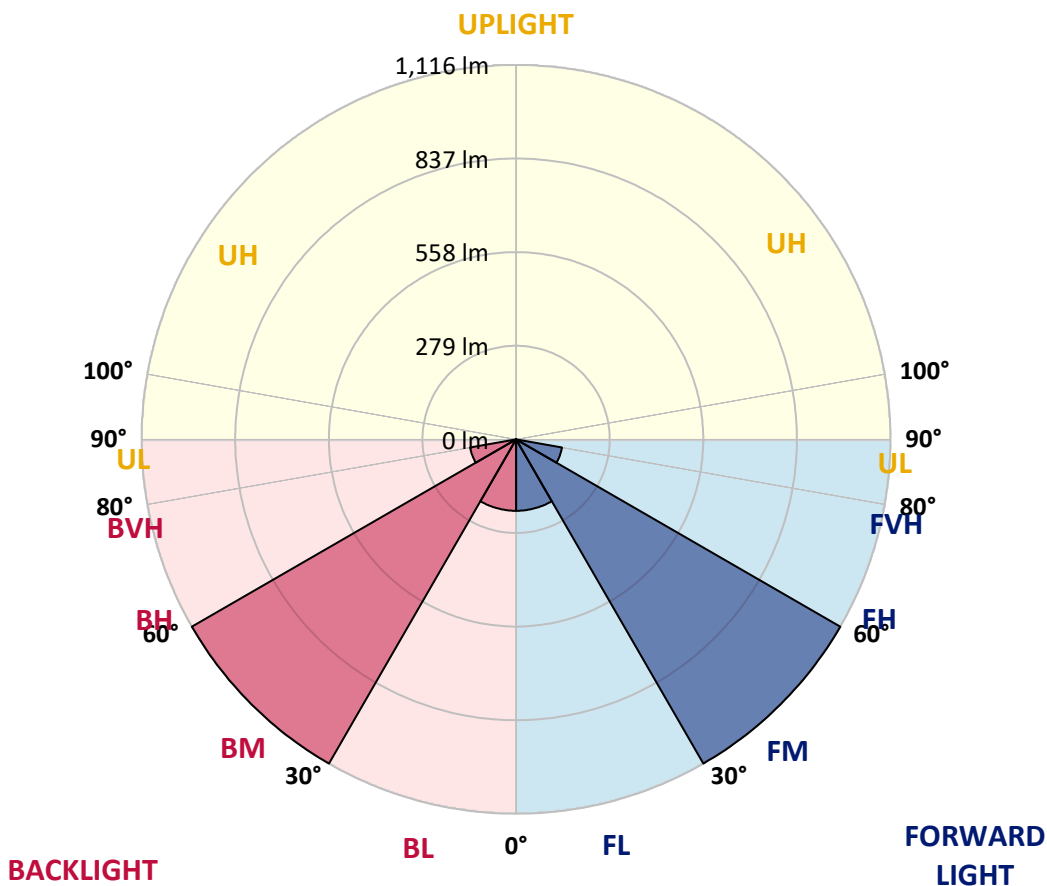
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.0	7.3			
FM (30°-60°)	1116.4	38.0			
FH (60°-80°)	139.0	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	213.0	7.3	B1/500		
BM (30°-60°)	1116.4	38.0	B2/2500		
BH (60°-80°)	139.0	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
2.5°	484.8	484.5	485.9	486.9	486.9	489.3	488.6	487.9	487.2	486.2	488.6
5°	484.1	483.8	484.8	485.5	484.8	486.9	485.5	484.1	483.4	482.1	484.8
7.5°	481.0	481.4	482.1	482.8	481.7	483.4	481.7	479.7	477.9	476.6	479.0
10°	476.2	476.6	477.2	478.6	479.0	481.4	479.0	475.2	472.8	470.7	473.1
12.5°	473.8	474.1	475.2	476.9	477.2	480.3	477.2	471.7	468.3	465.9	468.3
15°	474.5	475.2	476.6	478.6	479.3	482.4	478.3	471.0	466.2	463.1	465.2
17.5°	476.9	477.6	479.7	483.1	485.5	488.6	483.4	474.1	467.6	463.1	465.2
20°	480.0	481.0	484.5	490.0	495.2	500.7	494.1	481.4	472.8	467.3	469.0
22.5°	488.6	489.6	494.5	501.7	510.3	517.2	509.3	493.1	481.4	474.1	475.9
25°	506.2	507.2	513.4	522.7	533.8	542.7	532.7	512.4	497.2	489.0	489.6
27.5°	533.8	534.8	542.0	555.1	569.9	582.7	568.2	544.4	527.2	517.6	517.6
30°	568.6	569.9	579.6	597.2	620.2	637.1	617.5	588.5	566.5	553.4	553.7
32.5°	613.4	612.0	625.8	649.9	682.6	705.0	676.1	640.9	613.7	595.4	597.2
35°	670.9	670.6	686.1	718.8	761.5	788.4	753.9	708.5	675.7	657.1	657.5
37.5°	745.0	744.6	762.6	798.0	849.4	871.8	833.2	787.0	751.9	734.0	736.0
40°	831.8	829.7	845.6	879.7	931.1	945.5	903.5	866.3	832.5	821.1	826.6
42.5°	914.5	910.0	919.3	950.4	990.0	992.0	960.3	934.8	911.8	902.8	906.2
45°	981.0	977.6	986.2	1004.1	1026.8	1016.5	1001.3	993.4	974.8	965.2	968.3
47.5°	1030.6	1030.6	1041.0	1052.0	1055.4	1036.5	1038.9	1038.9	1020.3	1005.1	1001.3
50°	1073.4	1076.5	1092.0	1103.3	1092.0	1067.9	1081.6	1078.9	1041.0	1010.7	1002.7
52.5°	1141.6	1144.7	1168.5	1184.0	1171.2	1147.5	1149.2	1114.7	1058.9	1023.1	1010.7
55°	1214.0	1221.5	1256.0	1297.3	1297.7	1273.2	1227.7	1166.7	1098.9	1059.9	1047.2
57.5°	1119.2	1129.5	1180.9	1280.5	1352.5	1335.6	1227.0	1119.9	1028.2	975.2	967.9
60°	770.1	788.1	839.4	975.5	1114.4	1120.9	992.7	872.5	767.4	701.9	703.3
62.5°	325.3	343.5	372.5	484.5	612.0	619.9	557.9	471.7	385.9	338.7	346.0
65°	76.5	81.7	90.3	134.0	194.3	203.3	187.5	146.1	107.9	91.3	93.0
67.5°	33.4	34.1	32.4	34.5	42.7	43.8	42.4	37.2	35.1	35.8	35.8
70°	23.4	23.8	22.4	21.4	20.3	19.0	19.6	21.7	23.4	24.8	24.5
72.5°	14.5	14.8	15.2	15.2	14.1	12.7	13.4	14.8	15.2	15.5	15.2
75°	7.2	7.6	8.3	8.6	8.3	7.9	7.9	8.3	8.3	7.9	7.9
77.5°	1.4	1.7	2.4	2.8	2.8	2.8	2.8	2.8	3.1	2.8	2.8
80°	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)